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Serial No. 10/091,935

Docket No. 4686-110 US

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in this Application:

Listing of Claims:

1. (Currently amended) A patch for controlled topical or transdermal delivery of effective levels of cosmetic, dermatological, or pharmaceutical active ingredients onto the skin, hair follicles, or sebaceous glands consisting of a single polymeric matrix layer formed of a bioadhesive water-soluble ~~film~~-film-forming polymer wherein said patch is configured as a film for application onto the skin, wherein so that said polymer matrix layer becomes tacky upon wetting for adhering said patch to said skin without the use of an adhesive and said polymeric matrix layer dissolves or disintegrates dissolving or disintegrating in the presence of water for removing said patch from the skin upon rinsing said patch with water;

wherein the water-soluble ~~film~~-film-forming polymer comprises one or more materials selected from the group consisting of, maltodextrins, polyvinyl alcohol, polyvinyl pyrrolidone, modified starch derivatives, starch, starch derivatives, modified starches, hydroxypropyl cellulose, and hydrolyzed starch and a combination thereof.

2. (Canceled).

3. (Canceled).

4. (Currently amended) The patch according to claim 1 wherein the water-soluble ~~film~~-film-forming polymer comprises one or more materials selected from the group consisting of polyvinyl alcohol, polyvinyl pyrrolidone, modified starch derivatives and a combination thereof.

5. (Original) The patch according to claim 1 further comprising one or more of said cosmetic, dermatological, and pharmaceutical active ingredients uniformly distributed throughout the polymeric matrix layer.

6. (Canceled).

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7. (Original) The patch according to claim 1 further comprising one or more anti-septic agents selected from the group consisting of triclosan povidone, iodine, resorcinol, phenoxy, isopropanol and chlorhexidine.

8. (Previously presented) The patch according to claim 1 further comprising one or more anti-microbial agents selected from the group consisting of erythromycin, tetracycline, cephalosporin and clindamycin.

9. (Original) The patch according to claim 1 further comprising a keratolytic agent of salicylic acid.

10. (Original) The patch according to claim 1 further comprising one or more topical antiseptic selected from the group consisting of iodine, mercury, silver, phenol, and nitrofurazone and combinations thereof.

11. (Original) The patch according to claim 1 further comprising an anti-inflammatory agent chosen from the group consisting of aspirin and ibuprofen

12. (Original) The patch according to claim 1 further comprising an anti-irritant composition selected from the group consisting of an antihistamine and calamine.

13. (Original) The patch according to claim 1 further comprising a counter-irritant composition selected from the group consisting of capsaicin, menthol, and clove oil.

14. (Original) The patch according to claim 1 further comprising a moisturizer.

15. (Original) The patch according to claim 14 further comprising one or more moisturizers selected from the group consisting of aloe, lanolin, glycerin, mineral oil, and combinations thereof.

16. (Original) The patch according to claim 1 further comprising one or more of said cosmetic, dermatological, and pharmaceutical active ingredients encapsulated in nanospheres or microspheres.

17. (Original) The patch of claim 1 further comprising a permeation enhancer.

18. (Original) The patch of claim 1 further comprising one or more of said pharmaceutical active ingredients selected from the group consisting of an anti-inflammatory analgesic agent, a steroidal anti-inflammatory agent, an antihistamine, a local anesthetic, a

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bactericide, a disinfectant, a vasoconstrictor, a hemostatic, a chemotherapeutic drug, an antibiotic, a keratolytic, a cauterizing agent, an antiviral drug, and a combination thereof.

19. (Previously presented) The patch according to claim 1 wherein said polymeric matrix layer is transparent.

20. (Previously presented) The patch according to claim 1 wherein said polymeric matrix layer has a color.

21. (Original) A patch according to claim 1 further comprising a solubilizer selected from the group consisting of glycerol, propylene glycol, polyalcohols, sorbitol and sorbitol derivatives.

22. (Original) The patch of claim 1 further comprising an anti-aging active agent.

23. (Original) The patch of claim 1 further comprising a depigmentation active agent.

24. (Original) The patch of claim 1 further comprising an anti-acne agent.

25. (Original) The patch of claim 1 further comprising a tanning agent of dihydroxyacetone.

26. (Original) The patch according to claim 1 further comprising an effervescent agent selected from the group consisting of sodium bicarbonate and sodium carbonate.

27. (Previously presented) A patch according to claim 1 further comprising at least one active ingredient having an effect on the skin from the group consisting of anti-oxidants, moisturizers, depigmenting agents, liporegulators, anti-acne agents, anti-aging agents, softeners, anti-wrinkle agents, keratolytic agents, anti-inflammatory agents, fresheners, healing agents, vascular protectors, antibacterial agents, antifungal agents, antiperspirants, deodorants, skin conditioners, anesthetics, immunomodulators and nourishing agents, moisture absorbers, and sebum absorbers.

28. (Original) The patch according to claim 1 having a size in the range of about 1 cm<sup>2</sup> to about 30 cm<sup>2</sup>, and a shape to match the shape of a region to be treated.

29. (Original) The patch according to claim 1 wherein the polymeric matrix layer has a thickness from about 0.0001 mm to about 1.0 mm.

30. (Original) A method for treating the skin comprising the step of:

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applying to a surface of the skin to be treated the patch according to claim 1.

31. (Previously presented) The method of claim 30 further comprising the steps of:  
moistening a surface of the skin before the step of applying the patch; and  
rinsing said skin with water for dissolving or disintegrating said polymer matrix layer and removing the patch.

32. (Previously presented) The method of claim 30 wherein said patch further comprises at least one active ingredient having an effect on the skin from the group consisting of anti-oxidants, moisturizers, depigmenting agents, liporegulators, anti-acne agents, anti-aging agents, softeners, anti-wrinkle agents, keratolytic agents, anti-inflammatory agents, fresheners, healing agents, vascular protectors, antibacterial agents, antifungal agents, antiperspirants, deodorants, skin conditioners, anesthetics, immunomodulators and nourishing agents, moisture absorbers, and sebum absorbers.

33. (Currently amended) A method for adhering a patch onto the skin, hair-follicles ~~or sebaceous glands~~ comprising the steps of:  
wetting an area of said skin ~~hair-follicles or sebaceous glands~~;  
affixing the patch to the skin, ~~hair-follicles or sebaceous glands~~; said patch comprising a water soluble polymeric matrix layer,

said water soluble polymeric matrix layer becoming tacky upon wetting for adhering said patch to said skin without the use of an adhesive and said patch dissolving or disintegrating in the presence of water for removing said patch from said skin upon rinsing said patch with water, wherein the water soluble polymeric matrix layer ~~and said polymeric matrix layer dissolving or disintegrating in the presence of water for removing said patch from the skin upon rinsing said patch with water~~ comprises one or more materials selected from the group consisting of a carbohydrate, maltodextrins, polyvinyl alcohol, polyvinyl pyrrolidone, modified starch derivatives and a combination thereof.

34. (Canceled).

35. (Currently amended) A method of using a patch comprising the step of:

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applying a patch to the skin, ~~hair follicles or sebaceous glands~~ for a period of application in a range of about one minute to about 12 hours, wherein said patch is configured as a film for application onto the skin, said patch comprising a water soluble polymeric matrix layer said water soluble polymeric matrix layer becoming tacky upon wetting for adhering said patch to said skin without the use of an adhesive, wherein the ~~water-soluble polymeric matrix and said polymeric matrix layer patch dissolves or disintegrates dissolving or disintegrating~~ in the presence of water for removing said patch from the skin upon rinsing said patch with water.

36. (Original) The method of claim 35 wherein said patch further comprises one or more of said pharmaceutical active ingredients selected from the group consisting of an anti-inflammatory analgesic agent, a steroidal anti-inflammatory agent, an antihistamine, a local anesthetic, a bactericide, a disinfectant, a vasoconstrictor, a hemostatic, a chemotherapeutic drug, an antibiotic, a keratolytic, a cauterizing agent, an antiviral drug, and a combination thereof.

37. (Canceled).

38. (Original) The patch of claim 1 further comprising encapsulated active ingredients dispersed in said polymeric matrix layer.

39. (Original) The patch of claim 38 wherein said encapsulated active ingredients are microspheres or nanospheres.

40. (Original) The patch of claim 39 wherein said microspheres or nanospheres are formed of a hydrophobic material.

41. (Original) The patch of claim 39 wherein said microspheres or nanospheres are homogeneously dispersed in said polymeric matrix layer.

42. (Currently amended) A patch for controlled topical or transdermal delivery of effective levels of cosmetic, dermatological, or pharmaceutical active ingredients onto the skin, hair follicles, or sebaceous glands consisting of a polymeric water-soluble matrix layer which comprises one or more materials selected from the group consisting of polyvinyl alcohol, polyvinyl pyrrolidone, modified starch derivatives and a combination thereof and one or more of said cosmetic, dermatological, and pharmaceutical active ingredients uniformly distributed throughout the polymeric water-soluble matrix layer;

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said patch being configured as a film for application to the skin, said polymer matrix layer becoming tacky upon wetting for adhering said patch to said skin without the use of an adhesive and said ~~polymeric matrix layer patch~~ dissolving or disintegrating in the presence of water for removing said patch from the skin upon rinsing said patch with water.

43. (Canceled).

44. (Canceled).

45. (Canceled).

46. (Canceled).

47. (Previously presented) The patch according to claim 1 wherein said cosmetic, dermatological, or pharmaceutical active ingredients are selected from the group consisting of peptide and polypeptide.